(d) the estimated loss suffered and the details of compensation paid to the victims;

(e) whether any inquiry has been conducted in this regard; and

(f) if so, the action taken against persons found responsible for it?

THE MINISTER OF STATE IN THE MINISTRY OF RAILWAYS (SHRI MALLIKARJUN): (a) to (f). On 31.7.1991 at 15.50 hrs., when the empty rake of 2627 Karnataka Express was being shunted from the platform to the Washing Line No. 2 in New Delhi yard, two coaches derailed. Prima-facie, the incident occurred due to wrong setting of points. As a consequence, three railway staff lost their lives and one sustained injuries. Loss to railway property has been estimated at Rs. 6.77 lakhs. An ex-gratia amount of Rs. 17,500/- has been arranged to the next of kin of the three killed and the injured persons.

A departmental inquiry by senior railway officers is in progress. Five railway staff, who are prima-facie responsible for this incident, have been placed under suspension.

[*Translation*]

Power Generation in Uttar Pradesh

2888. SHRI CHANDRA JEET YADAV: Will the Minister of POWER AND NON-CONVENTIONAL ENERGY SOURCES be pleased to state:

(a) the total quantum of power generation from all the sources at present;

(b) the State-wise total power generation capacity and the quantum of power generated actually from 1980 to 1990;

(c) Year-wise the quantum of power generated during the last ten years in Uttar Pradesh and the annual requirement and *generation of power in the State;*

(d) whether there is any difference in the requirement and generation of power; if so, the steps proposed to be taken to remove this difference; and

(e) the special scheme formulated by the Union Government and the State jointly to meet the power shortage in the rural and urban areas in eastern districts of the State?

THE MINISTER OF STATE OF THE MINISTRY OF POWER AND NON-CONVENTIONAL ENERGY SOURCES (SHRI KALP NATH RAI): (a) The total Generation from thermal, nuclear and hydro power plants during 1990-91 was 264231 million units. The generation during April-July, 1991 has been 91092 million units.

(b) to (e). A Statement L-I indicating the state-wise power generating capacity and the power generated from 1980 to 1990 is enclosed.

A statement L-II indicating the requirement and availability of power in Uttar Pradesh during the last ten years is enclosed.

Various measures taken to mitigate the power shortage in rural and urban areas include: expediting the commissioning of new generating capacity, implementation of short gestation projects, improving the performance of existing power stations, reduction of T & D losses, implementation of demand management and energy conservation measures and arranging transfer of energy from surplus to deficit areas.

STATEMENT

State-Wise total generation capacity and total quantum of generation

Period 1980-81 to 1990-91

State/ System	1980-81	81-82	82-83	83-84	84-85	85-86	86-87	87-88	88-89	89-90	90-91
1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	12.
1. B.BM.B.											
(i) Total Cap. (MW)	2105	2105	2225	2555	2687	2687	2705	2705	2705	2705	2705
(ii) Total Gen. (Gwh)	9592	10473	10935	11261	10056	10570	11719	10638	11760	11450	13052
2. DELHI											
(i) Total Cap. (MW)	820.5	1030.5	1030.5	1030.5	1030.5	1016.5	1196.5	1196.5	1264	1311.5	1311.5
(ii) Total Gen. (Gwh)	3676	3643	4451	4380	4616	4495	5112	5414	5394	5905	6515

State/ System	1980-81	81-82	82-83	83-84	84-85	85-86	86-87	87-88	88-89	89-90	90-91
1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	12.
3. JAMMU & KASHMIR											
(i) Total Cap. (MW)	197.5	197.5	197.5	196.5	196.5	196.5	198.5	545.5	570.5	620.5	598.5
(ii) Total Gen. (Gwh)	769	788	909	897	862	870	1053*	1554	3035	3291	3265
4. HIMACHAL PRADESH											
(i) Total Cap. (MW)	240	300	300	300	306	306	306	322.9	322.9	442.9	442.9
(ii) Total Gen. (Gwh)	261	625	1339	1413	1124	1254	1399	1245	1387	1574	2000
5. HARYANA											
(i) Total Cap. (MW)											
(i) Total Cap. (MW)	360	420	420	415	415	525	651	667	885	878	863

State/ System	1980-81	81-82	82-83	83-84	84-85	85-86	86-87	87-88	88-89	89-90	90-91
1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	12.
(ii) Total Gen. (Gwh)	1001	1323	1186	1132	1261	1207	1554	2383	2367	2641	2607
6. RAJASTHAN											
(i) Total Cap. (MW)	711	711	821	931	931	981	981	990	1921	1913	1913
(ii) Total Gen. (Gwh)	1903	1715	1189	2545	3028	3326	3637	3792	4191	6484	6828
7. PUNJAB											
(i) Total Cap. (MW)	528	578	578	640	1060	1194	1194	1404	1776	1791	1791
(ii) Total Gen. (Gwh)	2012	2139	2667	3120	3910	5762	6765	7197	8548	9579	8503

State/ System	1980-81	81-82	82-83	83-84	84-85	85-86	86-87	87-88	88-89	89-90	90-91
1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	12.
8. UTTAR PRADESH											
(i) Total Cap. (MW)	3644.4	3926.4	4546.4	4932.4	5164.9	5374.9	6084.9	7404.9	8047	9226.9	9328.9
(ii) Total Gen. (Gwh)	10191	11346	13816	14916	16650	10665	21603	27294	31431	34534	38288
9. GUJARAT											
(i) Total Cap. (MW)	2194	2404	2614	2753	3073	3283	3493	3828	3938	4092	4315
(ii) Total Gen. (Gwh)	9384	10207	10780	11997	12315	12932	14602	17161	17783	19733	19877
10. MAHARASHTRA											
(i) Total Cap. (MW)	4426.5	4756.5	5296.5	6006.5	6438.5	7200.5	7420.5	7712	7932	7913	8863

State/ System	1980-81	81-82	82-83	83-84	84-85	85-86	86-87	87-88	88-89	89-90	90-91
1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	12.
(ii) Total Gen. (Gwh)	19639	20813	21718	23920	26239	28557	31263	33859	33990	36233	38122
11. MADHYA PRADESH											
(i) Total Cap. (MW)	1577.5	1677.5	2097.5	3147.5	3357.5	3567.5	3567.5	4777.5	5787.5	6297.5	6057.5
(ii) Total Gen. (Gwh)	6536	7035	8212	10027	13146	15900	17183	17925	21541	26014	29540
12. ANDHRA PRADESH											
(i) Total Cap. (MW)	2269.2	2269.2	2619.2	3067.2	3777.2	3987.2	4267.2	4285.2	5294.2	5994.2	6267.2
(ii) Total Gen. (Gwh)	7587	9331	10500	11450	14366	16306	18391	18139	14602	23363	26632

State/ System	1980-81	81-82	82-83	83-84	84-85	85-86	86-87	87-88	88-89	89-90	90-91
1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	12.
13. KARNATAKA											
(i) Total Cap. (MW)	1442.2	1712.2	1847.2	1982.2	2192.2	2502.2	2502.2	2515.4	2515.4	2630.4	2955.4
(ii) Total Gen. (Gwh)	6330	7144	7678	7781	8364	7517	7788	7550	9220	11067	12430
14. KERALA											
(i) Total Cap. (MW)	1011.5	1011.5	1011.5	1011.5	1011.5	1271.5	1476.5	1476.5	1476.5	1476.5	1476.5
(ii) Total Gen. (Gwh)	5256	5539	4491	3643	4886	5357	4647	4094	4553	5068	5494
15. TAMIL NADU											
(i) Total Cap. (MW)	2929	2929	3139	3119	3354	3819	4239	4889	5224	5561	5975

State/ System	1980-81	81-82	82-83	83-84	84-85	85-86	86-87	87-88	88-89	89-90	90-91
1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	12.
(ii) Total Gen. (Gwh)	10543	11226	11224	11288	14516	14306	16265	17857	20858	20584	22798
16. BIHAR											
(i) Total Cap. (MW)	910	915	915	1135	1135	1575	1575	1575	1575	1450	1450
(ii) Total Gen. (Gwh)	2252	2551	2723	2431	2766	3324	3682	4074	4522	3913	2794
17. ORISSA											
(i) Total Cap. (MW)	880	990	1100	1100	1100	1200	1200	1280	1360	1530	1567
(ii) Total Gen. (Gwh)	2918	3159	2992	3662	3595	3473	4042	3645	4195	4672	5527

State/ System	1980-81	81-82	82-83	83-84	84-85	85-86	86-87	87-88	88-89	89-90	90-91
1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	12.
18. WEST BENGAL											
(i) Total Cap. (MW)	1569	1569	1839	1967	2237	2758	2968	3137	3137.3	3099.3	3558.8
(ii) Total Gen. (Gwh)	5378	5509	5805	6185	6750	7884	9175	10111	10064	11225	11826
19. D.V.C.											
(i) Total Cap. (MW)	1361.5	1571.5	1571.5	1549	1549	1759	1759	1759	1849	1834	1974
(ii) Total Gen. (Gwh)	4484	6001	6002	6336	6508	6464	5698	5781	5999	5454	4954
20. SIKKEM											
(i) Total Cap. (MW)	12	12	12	12	12	12	12	12	12	12	12

State/ System	1980-81	81-82	82-83	83-84	84-85	85-86	86-87	87-88	88-89	89-90	90-91
1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	12.
(ii) Total Gen. (Gwh)	14	15	15	23	16	30	23	33	35	36	29
21. ASSAM											
(i) Total Cap. (MW)	207.5	312.5	212.5	327.5	349.5	409.5	484.5	484.5	514.5	514.5	514.5
(ii) Total Gen. (Gwh)	463	709	888	970	848	840	997	1164	1090	1154	1217
22. MECHALAYA											
(i) Total Cap. (MW)	125.2	125.2	125.2	150.2	175.2	175.2	175.2	175.2	275	275	275
(ii) Total Gen. (Gwh)	348	366	410	411	492	520	448	484	889	1046	1093

State/ System	1980-81	81-82	82-83	83-84	84-85	85-86	86-87	87-88	88-89	89-90	90-91
1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	12.
23. TRIPURA											
(i) Total Cap. (MW)	11.5	11.5	11.5	15	15	15	25	25	25	39.5	47.5
(ii) Total Gen. (Gwh)	43	53	53	59	60	65	72	99	96	78	137
23. MANIPUR											
(i) Total Cap. (MW)	-			105	105	105	105	105	105	105	105
(ii) Total Gen. (Gwh)			-	49	259	413	397	405	375	450	473

STATEMENT-II

Uttar Pradesh from 1981-82 to 1990-91

All Figures in Million Units (Not)

	1981-82	82-83	83-84	84-85	85-86	86-87	87-88	88-89	89-90	90-91
Require-ment	15149	15508	15154	16352	17633	20204	23820	24300	27580	29940
Availa-bility	11781	14374	13208	14193	15477	17198	19864	21733	24667	26758
Deficit (-)	-3368	-1134	-2126	-2159	-2156	-3006	-3956	-2567	-2913	-3182
Deficit as percentage	22.2	7.3	14.0	13.2	12.2	14.9	16.6	10.6	10.6	10.6